

Title (en)
Indoor unit and air conditioner

Title (de)
Innenraumeinheit und Klimaanlage

Title (fr)
Unité d'intérieur et climatiseur

Publication
EP 2574858 A3 20140820 (EN)

Application
EP 12199428 A 20060223

Priority
• EP 06110322 A 20060223
• JP 2005195208 A 20050704
• JP 2005377295 A 20051228

Abstract (en)
[origin: EP1741992A2] An indoor unit and air conditioner which are capable of reducing the work load required for carrying out maintenance on an air filter are provided. The indoor unit includes a chassis installed on a ceiling, an air inlet section configured to allow indoor air to flow into the chassis, an air filter configured to collect dust in the air flowing from the air inlet section, a dust-removing unit configured to remove dust attached to the air filter, a collecting unit configured to collect the dust removed by the dust-removing unit, and a raising unit configured to raise and lower the collecting unit to and from the chassis.

IPC 8 full level
F24F 1/0063 (2019.01); **F24F 1/0073** (2019.01); **F24F 8/108** (2021.01); **F24F 13/20** (2006.01); **F24F 13/28** (2006.01)

CPC (source: EP US)
F24F 1/0047 (2019.01 - EP); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0073** (2019.01 - EP US); **F24F 8/10** (2021.01 - EP); **F24F 8/108** (2021.01 - EP US); **F24F 8/90** (2021.01 - EP); **F24F 13/28** (2013.01 - EP)

Citation (search report)
• [Y] JP H11226331 A 19990824 - DAIKIN IND LTD
• [Y] JP 2004245567 A 20040902 - SANYO ELECTRIC CO, et al
• [A] JP 2004340507 A 20041202 - MATSUSHITA ELECTRIC IND CO LTD
• [A] JP H04281810 A 19921007 - DAIKIN IND LTD

Cited by
EP3587940A1; CN112438617A; US11940160B2; WO2021040418A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1741992 A2 20070110; EP 1741992 A3 20120801; EP 1741992 B1 20161123; EP 2574857 A2 20130403; EP 2574857 A3 20140820; EP 2574857 B1 20161109; EP 2574858 A2 20130403; EP 2574858 A3 20140820; EP 2574858 B1 20161116; EP 2574859 A2 20130403; EP 2574859 A3 20140820; EP 2574859 B1 20161130; ES 2609957 T3 20170425; ES 2610999 T3 20170504; ES 2611279 T3 20170508; ES 2611280 T3 20170508; JP 2007040689 A 20070215; JP 4418427 B2 20100217

DOCDB simple family (application)
EP 06110322 A 20060223; EP 12199412 A 20060223; EP 12199428 A 20060223; EP 12199462 A 20060223; ES 06110322 T 20060223; ES 12199412 T 20060223; ES 12199428 T 20060223; ES 12199462 T 20060223; JP 2005377295 A 20051228